ASPHALTING OF BALANCE ROADS AT
MATHRU LAYOUT IN WARD NO 04 OF
YELAHANKA SATELLITE TOWN SUB
DIVISION"

Pre-Measurement Sheet

First & Final Bill

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :- Asphalting of Balance Roads at Mathru Layout Ward No.04 of Yelahanka Sataelite Town Sub Division.

PRE-MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.01		Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		21/06/22 , 22/06/22									
		Mathru Layout									
		Siradi Sai Main Road									
		RHS									
		(From North to South)									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
60	60.7		Cum	1	0.70	1.10	1.10	1.10	0.90	0.69	
60.7	66.7	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
66.7	81.7		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
81.7	81.9		Cum	1	0.20	1.10	1.10	1.10	0.90	0.20	
		LHS									
		(From North to South)									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
30	43.3		Cum	1	13.30	1.10	1.10	1.10	0.90	13.17	
43.3	49.2	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
49.2	64.2		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
64.2	77.6		Cum	1	13.40	1.10	1.10	1.10	0.90	13.27	
		Siradi Sai Main Road									
		RHS									
		(From West to East)									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
15	25.2		Cum	1	10.20	1.10	1.10	1.10	0.90	10.10	
25.2	29.5	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
29.5	44.5		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
44.5	59.5		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
59.5	71		Cum	1	11.50	1.10	1.10	1.10	0.90	11.39	
71	76.1	No Work	Cum	1	0.00	1.10	1.10	1.10	0.90	0.00	
76.1	91.1		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
91.1	106.1		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
106.1	119.5		Cum	1	13.40	1.10	1.10	1.10	0.90	13.27	
		LHS									
		(From West to East)									

Contactor Assistant Engineer Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
30	45		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
45	48		Cum	1	3.00	1.10	1.10	1.10	0.90	2.97	
		For Culvert									
		Siradi Sai Main Road									
		RHS									
			Cum	1	6.00	1.40	1.40	1.40	0.95	7.98	
		LHS									
			Cum	1	5.90	1.40	1.40	1.40	0.95	7.85	
		Siradi Sai Mandir Road									
		RHS									
			Cum	1	4.30	1.40	1.40	1.40	0.95	5.72	
			Cum	1	5.40	1.40	1.40	1.40	0.95	7.18	
		4th Cross Road									
			Cum	1	6.80	1.40	1.40	1.40	0.95	9.04	
		6th Cross Road									
			Cum	1	7.20	1.40	1.40	1.40	0.95	9.58	
									Total Executed Quantity	673.23	
									Qty Carried to Summary	673.23	

Contactor

Assistant Engineer

Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	B2	Avg B	Depth (m)	Quantity	Remarks
Item no.02		Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		23/06/22 , 24/06/22									
		For Drain									
		Mathru Layout									
		Siradi Sai Main Road									
		RHS									
		(From North to South)									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
60	60.7		Cum	1	0.70	1.10	1.10	1.10	0.15	0.12	
60.7	66.7	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
66.7	81.7		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
81.7	81.9		Cum	1	0.20	1.10	1.10	1.10	0.15	0.03	
		LHS									
		(From North to South)									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
30	43.3		Cum	1	13.30	1.10	1.10	1.10	0.15	2.19	
43.3	49.2	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
49.2	64.2		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
64.2	77.6		Cum	1	13.40	1.10	1.10	1.10	0.15	2.21	
		Siradi Sai Mandir Road									
		RHS									
		(From West to East)									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	25.2		Cum	1	10.20	1.10	1.10	1.10	0.15	1.68	
25.2	29.5	Culvert	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
29.5	44.5		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
44.5	59.5		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
59.5	71		Cum	1	11.50	1.10	1.10	1.10	0.15	1.90	
71	76.1	No Work	Cum	1	0.00	1.10	1.10	1.10	0.15	0.00	
76.1	91.1		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
91.1	106.1		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
106.1	119.5		Cum	1	13.40	1.10	1.10	1.10	0.15	2.21	
		LHS									
		(From West to East)									
0	6.8		Cum	1	6.80	1.10	1.10	1.10	0.15	1.12	

Contactor Assistant Engineer Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
45	48		Cum	1	3.00	1.10	1.10	1.10	0.15	0.50	
		For Culvert									
		Siradi Sai Main Road									
		RHS									
			Cum	1	6.00	1.40	1.40	1.40	0.15	1.26	
		LHS									
				1	5.90	1.40	1.40	1.40	0.15	1.24	
		Siradi Sai Mandir Road									
		RHS									
			Cum	1	4.30	1.40	1.40	1.40	0.15	0.90	
			Cum	1	5.40	1.40	1.40	1.40	0.15	1.13	
		4th Cross Road									
			Cum	1	6.80	1.40	1.40	1.40	0.15	1.43	
		6th Cross Road									
			Cum	1	7.20	1.40	1.40	1.40	0.15	1.51	
									Total Executed Quantity	111.79	
									Qty Carried to Summary	111.79	

Contactor

Assistant Engineer

Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.04		Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on											
		For Drain	tonne		From Steel Calculation Sheeet					13.94	
		For Culvert	tonne		From Steel Calculation Sheeet					1.81	
									Total Executed Quantity	15.75	
									Qty Carried to Summary	15.75	

Contactor

Assistant Engineer

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :- Asphalting of Balance Roads at Mathru Layout Ward No.04 of Yelahanka Sataelite Town Sub Division.

PRE MEASUREMENT SHEET

FIRST AND FINAL BILL

STEEL CALCULATION

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
Item no.04	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and as per the directions of the Engineer-in-charge of the work								
	Measurements Taken On;	24/06/22 , 27/06/22							
	Present Bill Measurements								
	For RCC Drain								
	Mathru Layout								
	Siradi Sai Main Road								
	RHS								
	(From North to South)								
	Main Bars (#12@150 c/c)	1	12	506	506	2.40	1214.40	0.89	1078.16
	Distribution(13-#10)	1	10	13	13	75.90	986.70	0.62	608.34
	LHS								
	(From North to South)								
	Main Bars (#12@150 c/c)	1	12	478	478	2.40	1147.20	0.89	1018.50
	Distribution(13-#10)	1	10	13	13	71.70	932.10	0.62	574.67
	Siradi Sai Mandir Road								
	RHS								
	(From West to East)								
	Main Bars (#12@150 c/c)	1	12	734	734	2.40	1761.60	0.89	1563.97
	Distribution(13-#10)	1	10	13	13	110.10	1431.30	0.62	882.45
	LHS								
	(From West to East)								
	Main Bars (#12@150 c/c)	1	12	784	784	2.40	1881.60	0.89	1670.51
	Distribution(13-#10)	1	10	13	13	117.60	1528.80	0.62	942.56
	C Cross Road								
	RHS								
	(From North to South)								

Contactor

Assistant Engineer

Assistant exicutive Engineer

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	LHS								
	12# @140 c/c main bars	1	12	42	42	5.10	214.93	0.89	190.82
	10# @200 c/c Distrubution bars	1	10	30	30	5.90	177.00	0.62	109.13
	Siradi Sai Mandir Road								
	RHS								
	12# @140 c/c main bars	1	12	31	31	5.10	156.64	0.89	139.07
	10# @200 c/c Distrubution bars	1	10	30	30	4.30	129.00	0.62	79.53
	12# @140 c/c main bars	1	12	39	39	5.10	196.71	0.89	174.65
	10# @200 c/c Distrubution bars	1	10	30	30	5.40	162.00	0.62	99.88
	4th Cross Road								
	12# @140 c/c main bars	1	12	49	49	5.10	247.71	0.89	219.92
	10# @200 c/c Distrubution bars	1	10	30	30	6.80	204.00	0.62	125.77
	6th Cross Road								
	12# @140 c/c main bars	1	12	51	51	5.10	262.29	0.89	232.86
	10# @200 c/c Distrubution bars	1	10	30	30	7.20	216.00	0.62	133.17
							QTY IN KG'S		1809.83
							QTY IN TONNE		1.81
							TOTAL QTY IN KG'S		15752.51
							TOTAL QTY IN TONNE		15.75

Contactor

Assistant Engineer

Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.07		Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		08/07/22									
		Mathru Layout									
		Siradi Sai Main Road									
		(From North to South)									
3	12		Cum	1	9.00	1.30	1.30	1.30	0.23	2.69	
12.7	18		Cum	1	5.30	1.20	1.00	1.10	0.23	1.34	
28	31		Cum	1	3.00	1.30	1.30	1.30	0.23	0.90	
48	50		Cum	1	2.00	2.00	2.00	2.00	0.23	0.92	
66	69		Cum	1	3.00	1.50	1.50	1.50	0.23	1.04	
75	82.6		Cum	1	7.60	3.10	3.10	3.10	0.23	5.42	
		Siradi Sai Manor Road									
		(From West to East)									
6	9		Cum	1	3.00	1.10	1.20	1.15	0.23	0.79	
18.3	22		Cum	1	3.70	1.30	1.40	1.35	0.23	1.15	
27	29		Cum	1	2.00	1.40	1.30	1.35	0.23	0.62	
38	41		Cum	1	3.00	1.50	1.50	1.50	0.23	1.04	
43	49		Cum	1	6.00	0.75	0.75	0.75	0.23	1.04	
									Total Executed Quantity	16.94	
									Qty Carried to Summary	16.94	

Contactor

Assistant Engineer

Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.08		Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		13/07/22									
		Mathru Layout									
		Siradi Sai Main Road									
		(From North to South)									
3	12		Cum	1	9.00	1.30	1.30	1.30	0.23	2.69	
12.7	18		Cum	1	5.30	1.20	1.00	1.10	0.23	1.34	
28	31		Cum	1	3.00	1.30	1.30	1.30	0.23	0.90	
48	50		Cum	1	2.00	2.00	2.00	2.00	0.23	0.92	
66	69		Cum	1	3.00	1.50	1.50	1.50	0.23	1.04	
75	82.6		Cum	1	7.60	3.10	3.10	3.10	0.23	5.42	
		Siradi Sai Mandir Road									
		(From West to East)									
6	9		Cum	1	3.00	1.10	1.20	1.15	0.23	0.79	
18.3	22		Cum	1	3.70	1.30	1.40	1.35	0.23	1.15	
27	29		Cum	1	2.00	1.40	1.30	1.35	0.23	0.62	
38	41		Cum	1	3.00	1.50	1.50	1.50	0.23	1.04	
43	49		Cum	1	6.00	0.75	0.75	0.75	0.23	1.04	
									Total Executed Quantity	16.94	
									Qty Carried to Summary	16.94	

Contactor

Assistant Engineer

Assistant exicutive Engineer

PRE-MEASUREMENT SHEET

FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.09		Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		18/07/22									
		Mathru Layout									
		Siradi Sai Main Road									
		(From North to South)									
3	12		Sqm	1	9.00	1.30	1.30	1.30		11.70	
12.7	18		Sqm	1	5.30	1.20	1.00	1.10		5.83	
28	31		Sqm	1	3.00	1.30	1.30	1.30		3.90	
48	50		Sqm	1	2.00	2.00	2.00	2.00		4.00	
66	69		Sqm	1	3.00	1.50	1.50	1.50		4.50	
75	82.6		Sqm	1	7.60	3.10	3.10	3.10		23.56	
		Siradi Sai Mandir Road									
		(From West to East)									
6	9		Sqm	1	3.00	1.10	1.20	1.15		3.45	
18.3	22		Sqm	1	3.70	1.30	1.40	1.35		5.00	
27	29		Sqm	1	2.00	1.40	1.30	1.35		2.70	
38	41		Sqm	1	3.00	1.50	1.50	1.50		4.50	
43	49		Sqm	1	6.00	0.75	0.75	0.75		4.50	
									Total Executed Quantity	73.64	
									Qty Carried to Summary	73.64	

Contactor

Assistant Engineer

Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.11		Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and as per the directions of the Engineer-in-charge of the									
Measurements taken on		20/07/22									
		Mathru Layout									
		Siradi Sai Main Road									
		(From North to South)									
3	12		Cum	1	9.00	1.30	1.30	1.30	0.05	0.59	
27	18		Cum	1	5.30	1.20	1.00	1.10	0.05	0.29	
28	31		Cum	1	3.00	1.30	1.30	1.30	0.05	0.20	
48	50		Cum	1	2.00	2.00	2.00	2.00	0.05	0.20	
66	69		Cum	1	3.00	1.50	1.50	1.50	0.05	0.23	
75	82.6		Cum	1	7.60	3.10	3.10	3.10	0.05	1.18	
		Siradi Sai Mandir Road									
		(From West to East)									
6	9		Cum	1	3.00	1.10	1.20	1.15	0.05	0.17	
8.3	22		Cum	1	3.70	1.30	1.40	1.35	0.05	0.25	
27	29		Cum	1	2.00	1.40	1.30	1.35	0.05	0.14	
38	41		Cum	1	3.00	1.50	1.50	1.50	0.05	0.23	
43	49		Cum	1	6.00	0.75	0.75	0.75	0.05	0.23	
		Profile Correction									
		Mathru Layout									
		Siradi Sai Main Road									
		(From North to South)									
2	15		Sqm	1	13.00	1.50	1.50	1.50	0.05	0.98	
16	28		Sqm	1	12.00	1.80	1.80	1.80	0.05	1.08	
33	39		Sqm	1	6.00	2.00	1.90	1.95	0.05	0.59	
41	49		Sqm	1	8.00	1.60	1.50	1.55	0.05	0.62	
50	65		Sqm	1	15.00	1.80	1.80	1.80	0.05	1.35	
69	79		Sqm	1	10.00	1.20	1.20	1.20	0.05	0.60	
85	98		Sqm	1	13.00	2.00	2.00	2.00	0.05	1.30	
		Siradi Sai Mandir Road									
		(From West to East)									
0	13		Sqm	1	13.00	1.60	1.60	1.60	0.05	1.04	
13	19		Sqm	1	6.00	1.55	1.75	1.65	0.05	0.50	
22	29		Sqm	1	7.00	1.40	1.40	1.40	0.05	0.49	
32	47		Sqm	1	15.00	1.60	1.60	1.60	0.05	1.20	
47	51		Sqm	1	4.00	1.80	1.80	1.80	0.05	0.36	
									Total Executed Quantity	**13.78**	
									Qty Carried to Summary	**13.78**	

Contactor

Assistant Engineer

Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.12		Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		21/07/22									
		Mathru Layout									
		Siradi Sai Main Road									
		(From North to South)									
0	15		Sqm	1	15.00	5.80	6.10	5.95		89.25	
15	30		Sqm	1	15.00	6.10	6.05	6.08		91.13	
30	45		Sqm	1	15.00	6.05	5.65	5.85		87.75	
45	60		Sqm	1	15.00	5.65	6.20	5.93		88.88	
60	75		Sqm	1	15.00	6.20	5.40	5.80		87.00	
75	83		Sqm	1	8.00	5.40	5.80	5.60		44.80	
83	84.6	Culvert	Sqm	1	0.00	0.00	0.00	0.00		0.00	
84.6	98		Sqm	1	13.40	5.80	3.60	4.70		62.98	
		Siradi Sai Mandir Road									
		(From West to East)									
0	15		Sqm	1	15.00	5.00	5.25	5.13		76.88	
15	30		Sqm	1	15.00	5.25	5.45	5.35		80.25	
30	31.5	Culvert	Sqm	1	0.00	0.00	0.00	0.00		0.00	
31.5	46.5		Sqm	1	15.00	5.45	5.30	5.38		80.63	
46.5	52.3		Sqm	1	5.80	5.30	5.40	5.35		31.03	
									Total Executed Quantity	820.56	
									Qty Carried to Summary	820.56	

Contactor

Assistant Engineer

Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	B2	Avg B	Depth (m)	Quantity	Remarks
Item no.13		Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Specification and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		25/07/22									
		Mathru Layout									
		Siradi Sai Main Road									
		(From North to South)									
0	15		Sqm	1	15.00	5.80	6.10	5.95		89.25	
15	30		Sqm	1	15.00	6.10	6.05	6.08		91.13	
30	45		Sqm	1	15.00	6.05	5.65	5.85		87.75	
45	60		Sqm	1	15.00	5.65	6.20	5.93		88.88	
60	75		Sqm	1	15.00	6.20	5.40	5.80		87.00	
75	83		Sqm	1	8.00	5.40	5.80	5.60		44.80	
83	84.6	**Culvert**	Sqm	1	0.00	0.00	0.00	0.00		0.00	
84.6	98		Sqm	1	13.40	5.80	3.60	4.70		62.98	
		Siradi Sai Mandir Road									
		(From West to East)									
0	15		Sqm	1	15.00	5.00	5.25	5.13		76.88	
15	30		Sqm	1	15.00	5.25	5.45	5.35		80.25	
30	31.5	**Culvert**	Sqm	1	0.00	0.00	0.00	0.00		0.00	
31.5	46.5		Sqm	1	15.00	5.45	5.30	5.38		80.63	
46.5	52.3		Sqm	1	5.80	5.30	5.40	5.35		31.03	
									Total Executed Quantity	820.56	
									Qty Carried to Summary	820.56	

Contractor

Assistant Engineer

Assistant exicutive Engineer

PRE-MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item no.16		Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		22/06/22, 23/06/22, 08/07/22, 22/07/22									
			Cum								
		Qty Vide From item No 01+07								690.16	
									Total Executed Quantity	690.16	
									Qty Carried to Summary	690.16	

Contactor

Assistant Engineer

Assistant Executive Engineer
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಡಿ.ಎ.ಎ. ಬೆಂಗಳೂರು-106

"ASPHALTING OF BALANCE ROADS AT MATHRU LAYOUT IN WARD NO 04 OF YELAHANKA SATELLITE TOWN SUB DIVISION"

Measurement Sheet

First & Final Bill

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work : Asphalting of Balance Roads at Mathra Layout Ward No.04 of Yelahanka Sataelite Town S

Measurements Taken On :
MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage Item	Description of Item	Unit	No	Length (m)	Breadth B1	B2	Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.
Item no.01	Cutting work excavation by manual means for drains,canals, waste weir, drain approach channels, key trenches, foundation of bridges and such [illegible] works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or [illegible] & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work, and as per the directions of the Engineer-in-charge of the work										
		Cum									
	Wide: Total executed Quantity from premeasuremet Page no.								673.23		
	Total Executed Quantity								673.23		
	Tender Quantity								669.31		
	Now to be paid Quantity								673.23		
	Quantity Limited to								669.31	214.63	143654.00
Item no.02	Providing and laying in position plain cement concrete Mix 1:3:6 (M30) for levelling course for all works in foundation. Using 40 mm nominal [illegible] crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications, and as per the directions of the Engineer-in-charge of the work.										
		Cum									
	Wide: Total executed Quantity from premeasuremet Page no.								111.79		
	Total Executed Quantity								111.79		
	Tender Quantity								111.09		
	Now to be paid Quantity								111.79		
	Quantity Limited to								111.09	6637.23	737310.00
Item no.03	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications, and as per the directions of the Engineer-in-charge of the work										
Measurements taken on:	27/06/22 , 28/06/22 , 23/06/22 , 30/06/22										
	Bottom Raft										
	Mathra Layout										
	Broad Ink Main Road										
	RHS										
	From North to South)										
[illegible]		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03		
[illegible]		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03		
[illegible]		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03		
[illegible]		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03		
[illegible]		Cum	1	6.70	0.90	0.90	0.90	0.15	0.09		
[illegible]		Cum	1	6.00	0.90	0.90	0.90	0.15	0.00		
[illegible]	Cutting	Cum	1	15.00	0.90	0.90	0.90	0.15	2.03		
[illegible]		Cum	1	6.70	0.90	0.90	0.90	0.15	0.03		
[illegible]											
[illegible]		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03		
[illegible]		Cum	1	15.00	0.90	0.90	0.90	0.15	2.03		
[illegible]		Cum	1	13.30	0.90	0.90	0.90	0.15	1.80		
[illegible]		Cum	1	0.00	0.90	0.90	0.90	0.15	0.00		
[illegible]	Cutting	Cum	1	15.00	0.90	0.90	0.90	0.15	2.03		
[illegible]		Cum	1	13.40	0.90	0.90	0.90	0.15	1.81		
[illegible]		Cum	1								

Assistant Engineer

Assistant exicutive Engineer

MEASUREMENT SHEET
FIRST AND FINAL BILL

ainage	To	Description of Item	Unit	No	Length (m)	Breadth B1	B2	Avg B	Depth (m)			Amount in RS.
			Cum	1	5.90	1.20	1.20	1.20	0.20			
		Siradi Sai Mandir Road										
		RHS										
			Cum	1	4.30	1.20	1.20	1.20	0.20	1.03		
		4th Cross Road	Cum	1	5.40	1.20	1.20	1.20	0.20	1.30		
		6th Cross Road	Cum	1	6.80	1.20	1.20	1.20	0.20	1.63		
			Cum	1	7.20	1.20	1.20	1.20	0.20	1.73		
		Side Wall										
		Siradi Sai Main Road										
		RHS										
		LHS	Cum	2	6.00	0.25	0.25	0.25	0.60	1.80		
			Cum	2	5.90	0.25	0.25	0.25	0.60	1.77		
		Siradi Sai Mandir Road										
		RHS										
			Cum	2	4.30	0.25	0.25	0.25	0.60	1.29		
		4th Cross Road	Cum	2	5.40	0.25	0.25	0.25	0.60	1.62		
		6th Cross Road	Cum	2	6.80	0.25	0.25	0.25	0.60	2.04		
			Cum	2	7.20	0.25	0.25	0.25	0.60	2.16		
									Sub Total	19.22		
		Total Executed Quantity								218.37		
		Tender Quantity								217.61		
		Now to be paid Quantity								218.37		
		Quantity Limited to								217.61	7579.74	1649435.00
Item no.04		Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and as per the directions of the Engineer-in-charge of the work										
			Tonne									
		Vide Total executed Quantity from premeasuremet Page no.								15.75		
		Total Executed Qty								15.75		
		Tender Quantity								15.75		
		Now to be paid Quantity								15.75	96673.74	1522855.00
Item no.05		Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete and as per the directions of the Engineer-in-charge of the work										
Measurements taken on		06/07/22 , 7/07/22										
		Mathru Layout										
		Siradi Sai Main Road										
		RHS										
		(From North to South)										
0	15		Sqm	1	15.00	0.90	0.90	0.90		13.50		
15	30		Sqm	1	15.00	0.90	0.90	0.90		13.50		
30	45		Sqm	1	0.00	0.90	0.90	0.90		0.00		
45	60		Sqm	1	15.00	0.90	0.90	0.90		13.50		
60	60.7		Sqm	1	0.70	0.90	0.90	0.90		0.63		
60.7	66.7		Sqm	1	0.00	0.90	0.90	0.90		0.00		
66.7	81.7	Culvert	Sqm	1	15.00	0.90	0.90	0.90		13.50		

28/7/2022

Assistant exicutive Engineer

MEASUREMENT SHEET
FIRST AND FINAL BILL

Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.
81.9		Sqm	1	0.20	0.90	0.90	0.90		0.18		
	LHS										
	(From North to South)										
15		Sqm	1	15.00	0.90	0.90	0.90		13.50		
30		Sqm	1	15.00	0.90	0.90	0.90		13.50		
43.3		Sqm	1	13.30	0.90	0.90	0.90		11.97		
49.2	Culvert	Sqm	1	0.00	0.90	0.90	0.90		0.00		
64.2		Sqm	1	15.00	0.90	0.90	0.90		13.50		
65.6		Sqm	1	1.40	0.90	0.90	0.90		1.26		
69.2	Bs Slab	Sqm	1	0.00	0.90	0.90	0.90		0.00		
72.4		Sqm	1	3.20	0.90	0.90	0.90		2.88		
77.6	Bs Slab	Sqm	1	0.00	0.90	0.90	0.90		0.00		
	Siradi Sai Mandir Road										
	RHS										
	(From West to East)										
15		Sqm	1	15.00	0.90	0.90	0.90		13.50		
19.8		Sqm	1	4.80	0.90	0.90	0.90		4.32		
25.2	BS Slab	Sqm	1	0.00	0.90	0.90	0.90		0.00		
29.5	Culvert	Sqm	1	0.00	0.90	0.90	0.90		0.00		
44.5		Sqm	1	15.00	0.90	0.90	0.90		13.50		
59.5		Sqm	1	15.00	0.90	0.90	0.90		13.50		
59.9		Sqm	1	0.40	0.90	0.90	0.90		0.36		
63.1	BS Slab	Sqm	1	0.00	0.90	0.90	0.90		0.00		
71		Sqm	1	7.90	0.90	0.90	0.90		7.11		
76.1	No Work	Sqm	1	0.00	0.90	0.90	0.90		0.00		
91.1		Sqm	1	15.00	0.90	0.90	0.90		13.50		
106.1		Sqm	1	15.00	0.90	0.90	0.90		13.50		
119.5		Sqm	1	13.40	0.90	0.90	0.90		12.06		
	LHS										
	(From West to East)										
6.8		Sqm	1	6.80	0.90	0.90	0.90		6.12		
9.2	No Work	Sqm	1	0.00	0.90	0.90	0.90		0.00		
16		Sqm	1	6.80	0.90	0.90	0.90		6.12		
18.9	Bs Slab	Sqm		0.00	0.90	0.90	0.90		0.00		
33.9		Sqm		15.00	0.90	0.90	0.90		13.50		
48.9		Sqm	1	15.00	0.90	0.90	0.90		13.50		
63.9		Sqm		15.00	0.90	0.90	0.90		13.50		
78.9		Sqm	1	15.00	0.90	0.90	0.90		13.50		
93.9		Sqm	1	15.00	0.90	0.90	0.90		13.50		
108.9		Sqm	1	15.00	0.90	0.90	0.90		13.50		
120		Sqm	1	11.10	0.90	0.90	0.90		9.99		
	C Cross Road										
	RHS										
	(From North to South)										
9.1		Sqm	1	9.10	0.90	0.90	0.90		8.19		
20.8	Bs Slab	Sqm	1	0.00	0.90	0.90	0.90		0.00		
	LHS										
	(From North to South)										
11.7		Sqm	1	11.70	0.90	0.90	0.90		10.53		
15.6	Road break	Sqm	1	0.00	0.90	0.90	0.90		0.00		
22		Sqm	1	6.40	0.90	0.90	0.90		5.76		
	C Cross Road I										
	RHS										

Assistant Engineer

Assistant exicutive Engineer

MEASUREMENT SHEET
FIRST AND FINAL BILL

To	Description of Item	Unit	No	Length (m)	Breadth B1	B2	Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.
	(From West to East)										
8.9											
2.8	Bs Slab	Sqm	1	8.90	0.90	0.90	0.90		8.01		
7.8		Sqm	1	0.00	0.90	0.90	0.90		0.00		
6.1		Sqm	1	15.00	0.90	0.90	0.90		13.50		
4.5	Bs Slab	Sqm	1	8.30	0.90	0.90	0.90		7.47		
9.5		Sqm	1	0.00	0.90	0.90	0.90		0.00		
4.5		Sqm	1	15.00	0.90	0.90	0.90		13.50		
85		Sqm	1	15.00	0.90	0.90	0.90		13.50		
		Sqm	1	10.50	0.90	0.90	0.90		9.45		
	LHS										
	(From West to East)										
15		Sqm	1	15.00	0.90	0.90	0.90		13.50		
30		Sqm	1	15.00	0.90	0.90	0.90		13.50		
45		Sqm	1	15.00	0.90	0.90	0.90		13.50		
60		Sqm	1	15.00	0.90	0.90	0.90		13.50		
75		Sqm	1	15.00	0.90	0.90	0.90		13.50		
85		Sqm	1	10.00	0.90	0.90	0.90		9.00		
	Cross Road										
	LHS										
	(From West to East)										
15	Bs Slab	Sqm	1	0.00	0.90	0.90	0.90		0.00		
5.8	Bs Slab	Sqm	1	0.00	0.90	0.90	0.90		0.00		
0.8		Sqm	1	15.00	0.90	0.90	0.90		13.50		
48		Sqm	1	7.20	0.90	0.90	0.90		6.48		
	Damaged Slab	Sqm	100	0.90	0.60	0.60	0.60		54.00		
		Sqm	35	0.75	0.60	0.60	0.60		15.75		
	Total Executed Quantity								562.14		
	Tender Quantity								562.50		
	Now to be paid Quantity								562.14	2451.51	1378092.00
06	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete. and as per the directions of the Engineer-in-charge of the work										
ents 1	06/07/22										
	Siradi Sai Main Road										
	RHS	Sqm	1	6.00	1.20	1.20	1.20		7.20		
	LHS	Sqm	1	5.90	1.20	1.20	1.20		7.08		
	Siradi Sai Mandir Road										
	RHS	Sqm	1	4.30	1.20	1.20	1.20		5.16		
		Sqm	1	5.40	1.20	1.20	1.20		6.48		
	4th Cross Road	Sqm	1	6.80	1.20	1.20	1.20		8.16		
	6th Cross Road	Sqm	1	7.20	1.20	1.20	1.20		8.64		
	Damaged Slab	Sqm	7	1.20	0.60	0.60	0.60		5.04		
	Total Executed Quantity								47.76		
	Tender Quantity								47.76		
	Now to be paid Quantity								47.76	5683.48	271444.00

Assistant Engineer

Assistant exicutive Engineer

MEASUREMENT SHEET
FIRST AND FINAL BILL

inage To	Description of Item	Unit	No	Length (m)	Breadth B1	B2	Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.
no.07	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth and as per the directions of the Engineer-in-charge of the work										
		Cum									
	Vide Total executed Quantity from premeasuremet Page no.								16.94		
	Total Executed Quantity								16.94		
	Tender Quantity								16.96		
	Now To be Paid Quantity								16.94	75.00	1271.00
no.08	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density and as per the directions of the Engineer-in-charge of the work										
		Cum									
	Vide Total executed Quantity from premeasuremet Page no.								16.94		
	Total Executed Quantity								16.94		
	Tender Quantity								16.96		
	Now To be Paid Quantity								16.94	2762.44	46785.00
no.09	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications. and as per the directions of the Engineer-in-charge										
		Sqm									
	Vide Total executed Quantity from premeasuremet Page no.								73.64		
	Total Executed Quantity								73.64		
	Tender Quantity								73.73		
	Now To be Paid Quantity								73.64	23.35	1720.00
no.10	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means Specification and as per the directions of the Engineer-in-charge of										
		Sqm									
	Vide Total executed Quantity from premeasuremet Page no.								275.54		
	Total Executed Quantity								275.54		
	Tender Quantity								275.57		
	Now To be Paid Quantity								275.54	50.77	13989.00
no.11	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and as per the directions of the Engineer-in-charge of the work										
		Cum									
	Vide Total executed Quantity from premeasuremet Page no.								13.78		
	Total Executed Quantity								13.78		
	Tender Quantity								13.78		
	Now To be Paid Quantity								13.78	11410.92	157206.00
no.12	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications. and as per the directions of the Engineer-in-charge of the work										
		Sqm									
	Vide Total executed Quantity from premeasuremet Page no.								820.56		
	Total Executed Quantity								820.56		
	Tender Quantity								807.36		
	Now To be Paid Quantity								820.56		
	Quantity Limited to								807.36	5.56	4489.00

Assistant Engineer

Assistant Executive Engineer

MEASUREMENT SHEET
FIRST AND FINAL BILL

ainage		Description of Item	Unit	No	Length (m)	Breadth B1	B2	Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.
m no.13		Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0 25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Specification and as per the directions of the Engineer-in-charge of the work										
			Sqm									
		Vide Total executed Quantity from premeasuremet Page no.								820.56		
		Total Executed Quantity								820.56		
		Tender Quantity								807.36		
		Now To be Paid Quantity								820.56		
		Quantity Limited to								807.36	17.31	13976.00
m no.14		Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and as per the directions of the Engineer-in-charge of the work										
urements ken on		25/07/22										
		Mathru Layout										
		Siradi Sai Main Road										
		(From North to South)										
	15		Cum	1	15.00	5.80	6.10	5.95	0.04	3.57		
	30		Cum	1	15.00	6.10	6.05	6.08	0.04	3.65		
	45		Cum	1	15.00	6.05	5.65	5.85	0.04	3.51		
	60		Cum	1	15.00	5.65	6.20	5.93	0.04	3.56		
	75		Cum	1	15.00	6.20	5.40	5.80	0.04	3.48		
	83		Cum	1	8.00	5.40	5.80	5.60	0.04	1.79		
	84.6	Culvert	Cum	1	0.00	0.00	0.00	0.00	0.04	0.00		
	98		Cum	1	13.40	5.80	3.60	4.70	0.04	2.52		
		Siradi Sai Mandir Road										
		(From West to East)										
	15		Cum	1	15.00	5.00	5.25	5.13	0.04	3.08		
	30		Cum	1	15.00	5.25	5.45	5.35	0.04	3.21		
	31.5	Culvert	Cum	1	0.00	0.00	0.00	0.00	0.04	0.00		
	46.5		Cum	1	15.00	5.45	5.30	5.38	0.04	3.23		
	52.3		Cum	1	5.80	5.30	5.40	5.35	0.04	1.24		
		Total Executed Quantity								32.82		
		Tender Quantity								32.29		
		Now To be Paid Quantity								32.82		
		Quantity Limited to								32.29	13305.62	429627.00
m no.15		Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2 5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2 5 mm is exclusive of surface applied glass beads as per IRC:35:2015 The finished surface to be level, uniform and free from streaks and holes. Specification and as per the directions of the Engineer-in-charge of the work										
urements ken on		28/07/22										
		Mathru Layout										
		Siradi Sai Main Road										
		(From North to South)										
	15		Sqm	2	15.00	0.10	0.10	0.10		3.00		
	30		Sqm	2	15.00	0.10	0.10	0.10		3.00		
	45		Sqm	2	15.00	0.10	0.10	0.10		3.00		
	60		Sqm	2	15.00	0.10	0.10	0.10		3.00		
	75		Sqm	2	15.00	0.10	0.10	0.10		3.00		
	83		Sqm	2	8.00	0.10	0.10	0.10		1.60		
	84.6	Culvert	Sqm	2	0.00	0.10	0.10	0.10		0.00		
	98		Sqm	2	13.40	0.10	0.10	0.10		2.68		
		Siradi Sai Mandir Road										
		(From West to East)										
	15		Sqm	2	15.00	0.10	0.10	0.10		3.00		
	30		Sqm	2	15.00	0.10	0.10	0.10		3.00		

Assistant Engineer

Assistant exicutive Engineer

MEASUREMENT SHEET
FIRST AND FINAL BILL

nage To	Description of Item	Unit	No	Length (m)	Breadth B1	B2	Avg B	Depth (m)	Quantity	Rate in RS.	Amount in RS.
31.5	Culvert	Sqm	2	0.00	0.10	0.10	0.10		0.00		
46.5		Sqm	2	15.00	0.10	0.10	0.10		3.00		
52.3		Sqm	2	5.80	0.10	0.10	0.10		1.16		
	Total Executed Quantity								29.44		
	Tender Quantity								28.64		
	Now To be Paid Quantity								29.44		
	Quantity Limited to								28.64	551.56	15797.00
no.16	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) and as per the directions of the Engineer-in-charge of the work										
		Cum									
	Vide Total executed Quantity from premeasuremet Page no.								690.16		
	Total Executed Quantity								690.16		
	Tender Quantity								686.27		
	Now to be paid Quantity								690.16		
	Quantity Limited to								686.27	85.39	58601.00
no.17	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t km and as per the directions of the Engineer-in-charge of the work										
		tkm									
	Vide Total executed Quantity from premeasuremet Page no.								883.41		
	Total Executed Quantity								883.41		
	Tender Quantity								878.42		
	Now to be paid Quantity								883.41		
	Quantity Limited to								878.42	121.16	106430.00
										Sub Total	6552681.00
										For 12% Applicable GST	786322.00
										Total Amount	7339003.00

Assistant Engineer

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